Supporting Information

Development of AIEgens-Montmorillonite Nanocomposite Powders for

Computer-Assistant Visualization of Latent Fingermarks

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Fig. S1. TEM image of (a)MMT powders (b)SAA/MMT composite powders.





Fig. S2. Resolution analysis for fingerprints using grayscale value with different mass ratios of SAA and MMT. (a)0.67% (b)1.67% (c)3.33% (d)6.66% (e)8.33% (f)10% (g)13.33% (h)16.67%.



Fig. S3. The photos of the SAA/MTT composites taken before and after continuous UV irradiation



Fig. S4. Images of fingerprints taken under normal (A) and damp conditions (B)



Fig. S5. Images of fingerprints aged for (a) 0 days (b) 80 days.



Fig. S6. Emission spectra of TPE (A) and Probe (C) in THF and THF–water mixture; The PL intensity of TPE (B) and Probe 1 (D) with different water fractions.



Fig.S7. PL Emission spectra of the same concentration of SAA, TPE and Probe1 in THF and THF-water mixture with 90% water fractions (aggregation state).



Fig.S8. Latent fingerprint imaging and grayscale analysis of SAA (a), TPE (b) and probe 1 (c).